

United State Government

Department of Energy

memorandum

DATE: February 1, 2005
REPLY
ATTN OF: EM-24 (S. Frank, 202-586-7478)
SUBJECT: Annual NEPA Planning Summary for the Office of Environmental Management

TO: John Spilateri Shaw
Assistant Secretary for Environment, Safety and Health

In accordance with Department of Energy (DOE) Order 451.1B, I am providing the Office of Environmental Management's (EM) Headquarters' Annual National Environmental Policy Act (NEPA) Planning Summary for 2005. This EM Annual NEPA Planning Summary for 2005 includes EM Headquarters and submittals from Carlsbad, Ohio, Rocky Flats, Richland, the Office of River Protection, for which EM is the lead Program Secretarial Office (PSO), and EM's Portsmouth/Paducah Project Office. The Savannah River Site for which EM is the lead PSO has submitted their Annual NEPA Planning Summary directly to you. A copy of that submittal is attached so that all EM NEPA information is in one package.

This summary briefly describes the status of any ongoing or projected EM NEPA compliance activities--any Environmental Assessments (EA) expected to be prepared in the forthcoming 12 months and any Environmental Impact Statements (EIS) expected to be prepared in the next 24 months. Several ongoing and projected Supplement Analyses (SA) also are addressed.

DOE Order 451.1B also requests that, every third year starting with the first annual report in January 1995, the Summary include an evaluation of whether a site-wide EIS would facilitate future NEPA compliance efforts at each Field Office site. This information is provided for the respective sites (see attachment).

If you have any questions, please call me at (202) 586-7709 or Mr. Mark Gilbertson, Deputy Assistant Secretary for Environmental Cleanup and Acceleration, at (202) 586-0755.



Paul M. Golan
Acting Assistant Secretary for
Environmental Management

Attachments

Environmental Assessments

CARLSBAD

EA for Transportation of Waste in the TRUPACT-III Shipping Container - The EA for the TRUPACT-III will examine the impacts of planned use of the TRUPACT-III shipping container for the transportation of transuranic (TRU) waste to the Waste Isolation Pilot Project (WIPP). Preparation of the EA could begin sometime during the upcoming year, although the schedule for the EA is uncertain because the schedule for design and licensing of the TRUPACT-III has not yet been finalized. Cost of the EA is anticipated to be around \$50,000.

OHIO

- West Valley Demonstration Project (WVDP)

EA for Demolition and Off-site Disposal of Surplus WVDP Buildings and Facilities - WVDP is considering the preparation of an EA to evaluate the demolition and removal of surplus buildings and facilities at the WVDP, including large waste storage facilities, following the off-site disposal of the contents of those facilities consistent with the upcoming Record of Decision (ROD) for the West Valley Waste Management EIS. This EA will also evaluate the demolition and off-site disposal of other smaller buildings at the WVDP which are no longer required to support Project activities and whose decommissioning path is not in question. While no firm cost and schedule have been completed, WVDP expects to be finished by the end of CY 2005 at a projected cost of about \$90,000.

PORTSMOUTH/PADUCAH

Mortgage Reduction Actions Associated with Support Facilities at the Portsmouth Site - This EA would support removal of various support facilities and structures no longer needed for DOE missions at Portsmouth. The EA is expected to be completed by March 28, 2005, at a cost of \$255,000.

Sale of Additional DOE Uranium Hexafluoride (UF₆) Stored at the Portsmouth/Paducah Sites - An existing EA covers the sale of certain DOE UF₆ inventories. This projected EA would expand the scope of the existing EA to cover the sale of additional DOE UF₆ inventories, in order to continue funding USEC's Tc-99 de-contamination activities. Still in the planning stages, the need for the EA is dependent on future negotiations with USEC. The cost and schedule are yet to be determined.

Environmental Impact Statements

EM HEADQUARTERS

Greater-Than-Class C Low-Level (GTCC) Radioactive Waste Disposal EIS - Pursuant to the Low-Level Radioactive Waste Policy Amendments Act, DOE will prepare an EIS to examine the effects of developing disposal capability for GTCC low-level waste. In early 2005, DOE plans to issue an Advance Notice of Intent requesting comments from the public and interested agencies about the proposed EIS, the preliminary range of disposal alternatives, and the potential issues related to DOE's decisions for this category of waste. The entire process, including issuing the ROD, is expected to take about 1-1/2 years to 2 years from the issuance of the Notice of Intent, which is planned for the end of CY 2005. The projected cost to complete the EIS is about \$4.5 million.

Scrap Metals Disposition Programmatic Environmental Impact Statement (PEIS) - The Scrap Metals Disposition PEIS will help DOE determine whether to allow the release into general commerce of scrap metal that may have residual radioactivity and, if so, what release standards or other criteria would apply. Alternatives under consideration include no release and release under different technical standards. The Notice of Intent was issued on July 12, 2001. The scoping period ended on November 9, 2001. DOE is currently coordinating with the Nuclear Regulatory Agency (NRC) on a related NRC rulemaking regarding the control of solid materials from NRC-licensed facilities, and will be announcing a revised date for publication of the DOE Draft PEIS. The projected cost for the PEIS is approximately \$1,631,000.

OHIO

- WVDP

Waste Management EIS - Preparation of the WVDP Waste Management EIS was begun in March 2001 with publication of the Notice of Intent. The Draft EIS was issued for public comment in May 2003. The Final Waste Management EIS was issued on January 16, 2004. The ROD is expected to be issued in early 2005. The total estimated cost for this EIS is \$1,200,000.

Decommissioning and/or Long-Term Stewardship EIS - The West Valley Decommissioning and/or Long-Term Stewardship EIS will support decisionmaking associated with West Valley Demonstration Project Act (PL96-368) responsibilities. Three Action alternatives and two No Action Alternatives were identified for evaluation in the March 13, 2003, Federal Register Notice. Following public scoping and internal DOE scoping, four Action alternatives and one No Action Alternative were selected for analysis. A draft EIS for DOE and Cooperating Agency review is planned for August 2005 with a public review planned for mid-2006. A Final EIS and subsequent ROD are planned for late 2007. The projected cost for the EIS is about \$3,400,000

RICHLAND

Fast Flux Test Facility (FFTF) Decommissioning - This EIS will evaluate reasonable alternatives for decommissioning the deactivated FFTF. A Notice of Intent was issued in August 2004 with public hearings held in September 2004. A Draft EIS is expected in May 2005, and a final EIS is scheduled for October 2005. The forecasted cost of the EIS is \$3,000,000.

Comprehensive Conservation Plan and EIS for the Hanford Reach National Monument/Saddle Mountain National Wildlife Refuge - The U.S. Fish and Wildlife Service (Service) is the lead agency for this plan/EIS. As co-manager of the Monument, DOE-Richland is a Cooperating Agency. The Service will seek input from the public and from a Federal Advisory Committee that is chartered to assist with developing the plan. Committee membership includes tribal, state and local government, scientific, local economic, local K-12 education, environmental conservation, utilities, outdoor recreation, tourism and public-at-large representation. The EIS will evaluate management alternatives for the Monument/National Wildlife Refuge. The Draft EIS is scheduled for May 2005 with a projected date for the Final EIS of September 2005. There is no current estimate of the EIS cost.

OFFICE OF RIVER PROTECTION

Retrieval, Treatment and Disposal of Tank Waste and Closure of Single-Shell Tanks at the Hanford Site - This EIS considers the impacts of the proposed retrieval, treatment, and disposal of the waste being managed in the waste tank farms at the Hanford Site near Richland, Washington, and closure of the 149 single-shell tanks and associated facilities in the tank farms. The Washington State Department of Ecology is a Cooperating Agency in the preparation of this EIS. A Draft EIS is scheduled for summer 2005 with a Final EIS expected in winter 2006. The estimated cost is to be determined.

Supplement Analyses

OHIO

- WVDP

In early calendar year (CY) 2005, WVDP plans to begin preparation of a SA to determine whether there are substantial changes to the proposed action considered in the West Valley Waste Management EIS--specifically, the shipment of large vitrification components such as the glass melter. The SA will evaluate additional disposal locations not analyzed in the Waste Management EIS. It is expected to be completed 2-3 months from initiation at a cost of about \$50,000.

PORTSMOUTH/PADUCAH

Deactivation and Decommissioning (D&D) of the Portsmouth Gaseous Diffusion Plant - The SA would review actions to decontaminate, dismantle, deactivate and decommission the Portsmouth Gaseous Diffusion Plant upon cessation of operational activities. This is very early in the planning stages. CERCLA options are being assessed for this and for D&D activities. The cost and schedule are to be determined.

Disposal of Product(s) Resulting from the Conversion of Depleted Uranium Hexafluoride (DUF6) at the Portsmouth and Paducah Sites - This SA would examine the disposal of product(s) from the conversion of DUF6. The SA would be based on the existing EISs for the construction and operation of the DUF6 conversion facilities at the Portsmouth and Paducah sites. This is in the early planning stage. The cost and schedule are to be determined.

OFFICE OF RIVER PROTECTION

SA for Hanford Tank Farm Contact Handled TRU Mixed Waste Treatment, Packaging and Storage - This SA considers a proposed action to retrieve, package, characterize, certify and temporarily store contact handled TRU mixed waste from single-shell tanks at the Hanford Site. The SA was approved on December 15, 2003. A date for the Amended ROD is to be determined.

Site-Wide Environmental Impact Statement Reviews

CARLSBAD

An ongoing SA will be used to decide whether a new or supplemental site-wide EIS should be prepared for continued operation of the WIPP. The SA for the WIPP Site-Wide Operations will assess the environmental impacts of changes to WIPP operations and new information that has become available since the preparation of the Site-wide EIS-II. The five-year update of the Site-wide EIS-II site-wide NEPA analysis will evaluate WIPP site current activities to determine if changes to the Site-wide EIS-II are needed. Changes and new information to be examined as part of this analysis include (1) changes in population along the WIPP transportation routes, (2) changes in allowed shipping container loadings for "quick to WIPP" shipments, (3) updated waste inventory information gathered in support of the WIPP EPA Compliance Recertification Application, and (4) planned movement of some waste to Idaho National Engineering Laboratory for coring and to Waste Control Specialists near Andrews, Texas, for storage in transit. This SA is expected to be completed by April 2005 at a cost of about \$120,000.

OHIO

-WVDP

The WVDP plans to prepare a site-wide NEPA EIS analysis to meet its obligations under the West Valley Demonstration Project Act, through preparation of the Decommissioning and/or Long-Term Stewardship EIS described above.

New site-wide EISs were considered and determined not to be necessary at the current time at Rocky Flats, Richland, the Office of River Protection, and the Ohio Field Office closure projects at Ashtabula, Fernald, Columbus, and Miamisburg.

Annual NEPA Planning Summary Environmental Assessments (EAs) and Engineering Evaluation/Cost Analyses (EE/CAs) Expected to be Prepared in the Next 12 Months

Department of Energy-Savannah River Site (SRS)

Jan-05

*Title, Location	Estimated Cost	Estimated Schedule (**NEPA Milestones)	Description
National Environmental Policy Act determination for the Revised SRS Natural Resources Management Plan		Determination Date: Dec-04 Transmittal to State: n/a EA Approval: n/a	DOE prepared an EA in 1993 to analyze the potential environmental impacts of continued management of SRS natural resources. Based on the analyses in the EA, DOE determined the proposed action was not a major Federal action significantly affecting the human environment within the meaning of NEPA, and issued a finding of no significant impact (FONSI). In 2000, DOE issued a revised FONSI that determined implementation of a revised <i>Red-Cockaded Woodpecker Management Plan</i> would have impacts no greater than those described in the 1993 EA. The United States Department of Agriculture Forest Service is revising the <i>Natural Resources Management Plan</i> . DOE-Savannah River anticipates issuing a revised FONSI in March 2005.
EA for Closure Alternatives for Stormwater Outfalls	\$6,500	revised FONSI or EA determination: Determination Date: Transmittal to State: EA Approval: FONSI:	The new stormwater permit for SRS requires minimizing pollutants in the discharge to meet applicable water quality standards. Current sampling of 11 of 12 stormwater outfalls shows exceedance of one or more water quality standards for metals. Various alternatives are being proposed by outfall custodians for 37 outfalls to achieve permit compliance.
DOE-SRS is not preparing any programmatic EAs (PEAs), is not supporting the preparation of any PEAs, and does not anticipate initiating any PEAs in the next 12 months.	\$51,000		
EE/CA for Decommissioning Activities for 211-3F Waste Unloading Station			This 40' by 38' steel-framed building was constructed in 1954 with transite siding and roof. It contains two tank trailer stalls, sumps, valves, and piping for loading and transfer of hazardous and radiological operations which support the 221-F Canyon. This is a nuclear hazard category facility.
EE/CA for Decommissioning Activities for 211-F Outside Facilities	\$51,000	approval date	Both chemical and radiological processes are associated with this waste handling facility which is comprised of tanks, sumps, concrete slabs, drains, pumps, and equipment. This is a nuclear hazard category facility.
EE/CA for Decommissioning Activities for 221-1F A-Line	\$51,000	approval date	This approximately 12,000 square foot facility was constructed in 1954 and consists of tanks, sumps, evaporator, and pumps. It is currently used for the temporary storage of depleted uranium solution which is being shipped offsite for treatment and disposal. This is a nuclear hazard category facility.
Total Estimated Cost			
	\$210,500		

Annual NEPA Planning Summary Environmental Impact Statements (EISs) Expected to be Prepared in the Next 24 Months

Department of Energy (DOE)-Savannah River Site (SRS)

Jan-05

*Title, Location	Estimated Cost	Estimated Schedule (**NEPA Milestones)	Description	
DOE-SRS is not preparing any EISs or programmatic EISs (PEISs) and does not anticipate initiating any EISs or PEISs in the next 24 months.		Determination Date:		
		notice of intent (NOI):		
		Scoping:		
		Draft		
		Hearings		
		Final		
		record of decision (ROD)		
		Determination Date:		
		NOI:		
		Scoping:		
		Draft		
		Hearings		
		Final		
		ROD		
		Determination Date:		
		NOI:		
		Scoping:		
		Draft		
		Hearings		
		Final		
		ROD		
		Determination Date:		
		NOI:		
		Scoping:		
		Draft		
		Hearings		
		Final		
		ROD		
		Supplemental Analysis:		
		Determination Date:		
		Approval:		
		Supplemental Analysis:		
		Determination Date:		
		Approval:		
		Total Estimated Cost		
		\$0.00		

*Please include projected NEPA milestones, if planned

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Annual NEPA Planning Summary (2005) DOE-Savannah River Site

Annual NEPA Planning Summary Status of Ongoing NEPA Compliance Activities: Environmental Assessments (EAs)

Department of Energy (DOE)-Savannah River Site (SRS)

Jan-05

*Title, Location	Estimated Cost	Estimated Schedule Milestones	**NEPA	Description
EA for the National Pollutant Discharge Elimination System Wastewater Permit Compliance Alternatives at SRS (DOE/EA-1513)		Determination Date: 2-Nov-04 Transmittal to State: January 2005 projected EA Approval: Feb 28, 2005 projected		The South Carolina Department of Health and Environmental Control has recently renewed SRS's National Pollutant Discharge Elimination System Permit. This permit authorizes the continued discharge of wastewater effluents from SRS operations through 25 outfalls into State surface waters for the next five years. Compliance schedules have been negotiated with the State for certain outfalls to assist in meeting the new more restrictive permit limitations. A range of alternative actions to facilitate permit compliance at these outfalls has been identified and will be reviewed in this EA. A floodplain/wetland assessment will also be part of this NEPA review.
DOE-SRS is not preparing any programmatic EAs (PEAs), is not supporting the preparation of any PEAs, and does not anticipate initiating any PEAs in the next 12 months.	\$19,000	FONSI: Feb 28, 2005 projected Determination Date: Transmittal to State: EA Approval: FONSI: Determination Date: Transmittal to State: EA Approval: FONSI: Determination Date: Transmittal to State: EA Approval: FONSI: Determination Date: Transmittal to State: EA Approval: FONSI: Determination Date: Transmittal to State: EA Approval: FONSI:		
Total Estimated Cost				
	\$19,000			

*Please include projected NEPA milestones, if planned

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Annual NEPA Planning Summary (2005) DOE-Savannah River Site

Annual NEPA Planning Summary Status of Ongoing NEPA Compliance Activities: Environmental Impact Statements (EISs) and Supplement Analyses (SAs)

Department of Energy (DOE)-Savannah River Site (SRS)

Jan-05

*Title, Location	Estimated Cost	Estimated Schedule (**NEPA Milestones)	Description
Supplemental Programmatic EIS on Stockpile Stewardship and Management for a Modern Pit Facility (DOE/EIS-0236-S2)		Determination Date: NOI: Sep-02 Scoping: Oct-02 Draft: Jun-03 Hearings: Jul-03 Final: delayed ROD: delayed	DOE-SRS will continue to support, as requested, preparation of a Supplemental Programmatic EIS on Stockpile Stewardship and Management for a Modern Pit Facility, addressing establishment of a large-scale plutonium pit manufacturing capacity at a selected site. DOE-SRS will prepare the project-specific EIS or support its preparation by NNSA. The final supplemental PEIS has been delayed due to Congressional concerns about timing and scope of project.
Construction and Operation of a Mixed Oxide (MOX) Fuel Fabrication Facility at SRS (NUREG-1767)	\$400,000	Determination Date: NOI: Mar-01 Scoping: Mar-03 Draft: Feb-03 Hearings: Final: Jan-05 Permit Issuance: Feb-05 Supplement Analysis: Dec-04 Determination Date: Jan-05 Approval:	DOE has contracted with Duke Cogema Stone & Webster to design, construct, and operate a proposed MOX Fuel Fabrication Facility that would convert depleted uranium and weapons-grade plutonium into MOX fuel. The proposed MOX facility would be located on the DOE's Savannah River Site in South Carolina. Use of the proposed facility to produce MOX fuel would be part of the DOE's surplus plutonium disposition program. DOE-SRS will continue to support input to the Nuclear Regulatory Commission's NEPA process.
Accelerated High-Level Waste Processing	\$75,000		This supplement analysis will evaluate proposals to accelerate high-level waste processing to eliminate risk.
Total Estimated Cost			
\$495,000			
n/a			
**Evaluation of Site Wide EIS:			
DOE-SRS is not preparing any EISs or programmatic EISs (PEISs) and does not anticipate initiating any EISs or PEISs in the next 24 months.			

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*Please include projected NEPA milestones, if planned

Annual NEPA Planning Summary (2005) DOE-Savannah River Site